

## Message Text

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47

ACTION EUR-12

INFO OCT-01 ISO-00 EB-07 /020 W  
----- 116608

R 251056Z AUG 76  
FM AMEMBASSY STOCKHOLM  
TO USDOC WASHDC  
INFO SECSTATE WASHDC 8460

UNCLAS STOCKHOLM 4600

FOR BIC/OIM: TRAFTON

E.O. 11652: N/A

TAGS: BEXP, SW

SUBJECT: STC EVENTS: SAFETY AND SECURITY SHOW

1. FOLLOWING TECHNICAL AND MARKETING INFO, AS GIVEN BY  
TELEVERKET TO STC, IMPORTANT FOR SAFETY/SECURITY EXHIBITORS  
WITH TELEPHONE EQUIPMENT. SOME ESSENTIALS PARA 3 ALREADY  
PROVIDED NAPCO AND PARA 4 TO GERBER FOR DEKTOR VIA TELEX.

2. EQUIPMENT FOR CONNECTION TO TELEVERKET LINES MUST BE  
APPROVED BY TELEVERKET CENTRALFORVALTNING TECHNICAL DIVISION  
(ULT), S-123 86 FARSTA. IF REQUESTED, TELEVERKET'S PRELIMINARY  
OPINION BASED ON TECH SPECS AND DIAGRAMS WILL BE GIVEN BY  
LETTER. COSTS OF SUBSEQUENT TESTING MUST BE PAID BY COMPANY;  
NORMAL RANGE SWKR 4000 TO 10,000 AND AVERAGE TIME 4 MONTHS.  
TELEVERKET WILL ESTIMATE COST AND AWAIT APPROVAL FOR AMOUNTS  
OVER SWKR 2000 (\$450).

3. GENERAL SWEDISH SYSTEM CHARACTERISTICS:

A. NOT MORE THAN 6 DB RETURN LOSS AT 900 OHM/30 NF IN  
NORMAL FREQUENCY RANGE 300 TO 3500 HZ (9DB POSSIBLE  
THRU DEC 1976).

B. NO GROUNDING PERMITTED; RESISTANCE IS LIMITED; POWER  
AND TELECOMMUNICATIONS CABLE SYSTEMS MUST BE DISTINCT;  
NO ACOUSTIC COUPLINGS.

C. MAXIMUM SPEECH SIGNAL POWER 0.1 MW.

D. VOICE FREQUENCY SIGNALS LIMITED 300 TO 2130 HZ.

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E. TRANSMITTING SIGNAL LEVEL SHALL NOT NORMALLY EXCEED

MINUS 10 DBM.

F. AUTOMATIC CALLING DEVICES SHALL HAVE 9.5 TO 10.5 PULSES PER SECOND; PULSE FACTOR 60 PLUS 1-2; MINIMUM TIME INTERVAL 500 MS; DIALING DELAY OF 25 MS REQUIRED AFTER CONNECTION, BETWEEN CONNECTION AND RECONNECTION 60 SECONDS; DC RESISTANCE ZERO OHMS OPEN CIRCUIT; TONE RECEIVER MUST FUNCTION WITHIN 0 DBM TO MINUS 30 DBM AND FREQUENCY 350 TO 500 HZ AND WAIT 2 SECONDS FOR AREA AND LOCAL DIAL TONE.

G. MINIMUM OPERATING TEMPERATURE RANGE 0 TO 55 CELSIUS (OR WIDER RANGE IF ADVERTISED).

H. BATTERY VOLTAGE AT TELEPHONE EXCHANGE CAN BE 24, 36, OR 48 WITH LIMITS PLUS 25 PERCENT -15 PERCENT.

I. DIALING TONE IS CONTINUOUS WITH FREQUENCY 400 TO 450 HZ, THOUGH 350 TO 500 POSSIBLE.

4. TELEVERKET IS ONLY PERMISSABLE CUSTOMER OR REPRESENTATIVE FOR "TELEPHONE ANALYZER". TECHNICAL APPROVAL ONLY NECESSARY AFTER TELEVERKET MARKETING DIVISION DECIDES IT IS INTERESTED AFTER WHICH TESTING WOULD BE DONE PROBABLY AT NO COST TO MANUFACTURER. STC FORWARDING DEKTOR AND CCS BROCHURES FOR MARKETING DIVISION STUDY PRIOR TO EXHIBITION.

5. COMPLETE RULES PARA 3 BEING AIRMAILED OIM AND COMPANIES MENTIONED ABOVE. FYI TELEVERKET COMMENTS PROBLEM AREAS FOR TELEPHONE DIALERS PREVIOUSLY REFUSED ARE TEMPERATURE RANGE, PULSE FACTOR AND DIALING DELAY. SMITH

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## Message Attributes

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**Current Classification:** UNCLASSIFIED  
**Concepts:** n/a  
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**Review Withdrawn Fields:** n/a  
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**TAGS:** BEXP, SW  
**To:** COM  
**Type:** TE  
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